Access DB# 96219

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Truong, Duc Examiner #: 69332 Date: 6/9/03
Art Unit: 1711 Phone Number 308-2437 Serial Number: 10/070158
Mail Box and Bldg/Room Location: 3/4D29 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

_____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Either one of Formulae (3) (4) or (5) with Formula (2).
Thanks

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STAFF USE ONLY	Type of Search		Vendors and cost where applicable	
Searcher: Ed	NA Sequence (#)		STN	$580.63
Searcher Phone #:	AA Sequence (#)		Dialog	
Searcher Location:	Structure (#)	✓ (2)	Questel/Orbit	
Date Searcher Picked Up:	Bibliographic	✓ (1) (3) (4) (5)	Derwent Link	
Date Completed: 6-10-03	Litigation	5	Lexis/Nexis	
Searcher Prep & Review Time: 5	Fulltext		Sequence Systems	
~~Clerical Prep Time:~~	Patent Family		WWW/Internet	
Online Time: 70	Other		Other (specify)	

PTO-1590 (8-01)

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L20           1 S E3
                E "HEXAMETHYLENE-1,6-BIS(DICYANDIAMIDE)"/CN
                E HEXAMETHYLENEDIAMINE/CN
L21           1 S E3
L22           7 S 81-86-7/CRN
L23        7447 S 124-09-4/CRN
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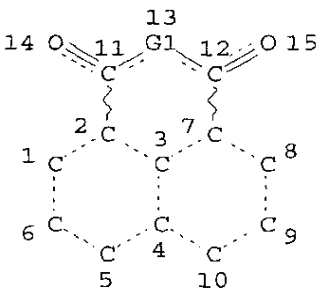

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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
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NUMBER OF NODES IS 15

STEREO ATTRIBUTES: NONE
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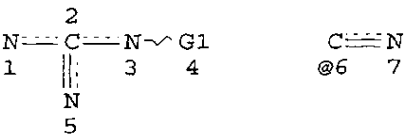

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DEFAULT ECLEVEL IS LIMITED

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STEREO ATTRIBUTES: NONE
L18 SCR 2043
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=> d l36 1-2 cbib abs hitstr hitind

L36 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2003 ACS
2001:185503 Document No. 134:218307 Antimicrobial polymers containing chromophoric markers.. Collins, Andrew Neale; Bothwell, Brian David; Mcpherson, Graham John (Avecia Ltd., UK). PCT Int. Appl. WO 2001017356 A1 20010315, 35 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 2000-GB2864 20000725. PRIORITY: GB 1999-20774 19990903.

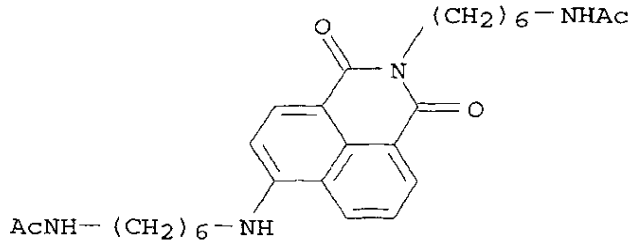
AB An antimicrobial polymer is given, which carries a covalently-bound chromophoric marker. The antimicrobial polymer is preferably a cationic antimicrobial polymer, esp. a poly(hexamethylenebiguanide). Also claimed are compns. contg. the antimicrobial polymer, a method for treating a medium using the antimicrobial polymer and a method for detecting the antimicrobial polymer in a medium. The prepn. of chromophoric markers, such as N-(-aminohexyl)-4-(6-aminohexylamino)-1,8-naphthalimide, is given.

IT **329710-62-5P**
(intermediate in prepn. of chromophoric marker for antimicrobial polymers)

RN 329710-62-5 HCAPLUS

CN Acetamide, N-[6-[6-[[6-(acetylamino)hexyl]amino]-1,3-dioxo-1H-

benz[de]isoquinolin-2(3H)-yl]hexyl]- (9CI) (CA INDEX NAME)



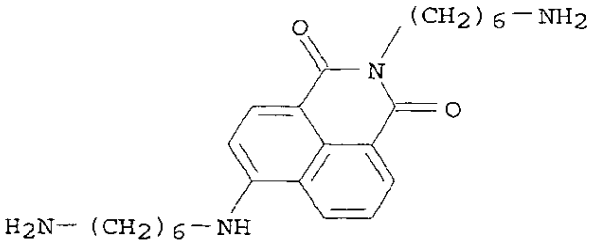
IT **329710-65-8P 329710-66-9DP**, reaction product with chromophoric markers
(prepn. as antimicrobial polymer contg. chromophoric markers.)

RN 329710-65-8 HCAPLUS

CN Guanidine, N,N'''-1,6-hexanediylbis[N'-cyano-, polymer with 2-(6-aminohexyl)-6-[(6-aminohexyl)amino]-1H-benz[de]isoquinoline-1,3(2H)-dione and 1,6-hexanediamine dihydrochloride (9CI) (CA INDEX NAME)

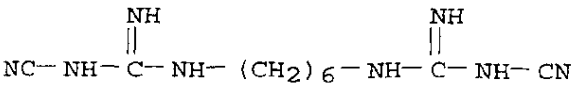
CM 1

CRN 329710-61-4
CMF C24 H34 N4 O2



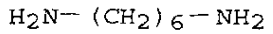
CM 2

CRN 15894-70-9
CMF C10 H18 N8



CM 3

CRN 6055-52-3
CMF C6 H16 N2 . 2 Cl H

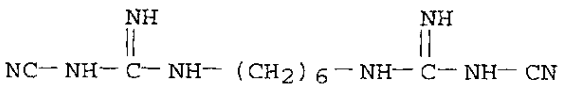


2 HCl

RN 329710-66-9 HCAPLUS
CN Guanidine, N,N'''-1,6-hexanediylbis[N'-cyano-, polymer with 6-bromo-1H,3H-naphtho[1,8-cd]pyran-1,3-dione and 1,6-hexanediamine dihydrochloride (9CI) (CA INDEX NAME)

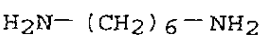
CM 1

CRN 15894-70-9
CMF C10 H18 N8



CM 2

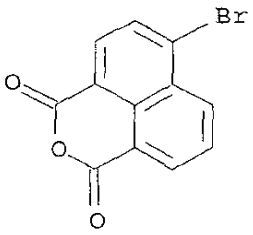
CRN 6055-52-3
CMF C6 H16 N2 . 2 Cl H



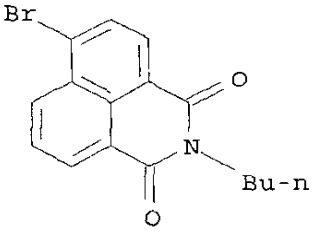
2 HCl

CM 3

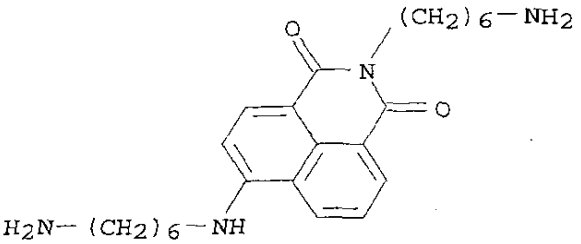
CRN 81-86-7
CMF C12 H5 Br O3



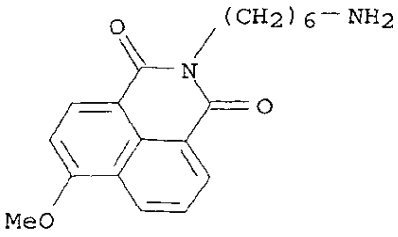
IT **92874-17-4P 329710-61-4P 329710-63-6DP,**
Wang resin deriv.
(prepn. as chromophoric marker for antimicrobial polymers)
RN 92874-17-4 HCAPLUS
CN 1H-Benz[de]isoquinoline-1,3(2H)-dione, 6-bromo-2-butyl- (9CI) (CA INDEX NAME)



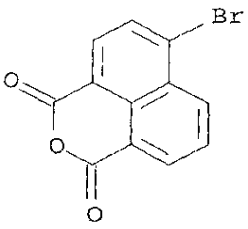
RN 329710-61-4 HCAPLUS
CN 1H-Benz[de]isoquinoline-1,3(2H)-dione, 2-(6-aminohexyl)-6-[(6-aminohexyl)amino]- (9CI) (CA INDEX NAME)



RN 329710-63-6 HCAPLUS
CN 1H-Benz[de]isoquinoline-1,3(2H)-dione, 2-(6-aminohexyl)-6-methoxy- (9CI) (CA INDEX NAME)



IT **81-86-7**, 4-Bromo-1,8-naphthalic anhydride
(reactant in prepn. of chromophoric marker for antimicrobial polymers)
RN 81-86-7 HCAPLUS
CN 1H,3H-Naphtho[1,8-cd]pyran-1,3-dione, 6-bromo- (9CI) (CA INDEX NAME)



IC ICM A01N047-44
ICS A01N033-12; C09B057-00
CC 5-2 (Agrochemical Bioregulators)
Section cross-reference(s): 38, 41
IT 49631-88-1P **329710-62-5P**
(intermediate in prepn. of chromophoric marker for antimicrobial polymers)
IT **329710-65-8P 329710-66-9DP**, reaction product with chromophoric markers
(prepn. as antimicrobial polymer contg. chromophoric markers.)
IT **92874-17-4P 329710-61-4P 329710-63-6DP**, Wang resin deriv. 329710-64-7DP, Wang resin deriv. 329748-60-9DP, Wang resin deriv.
(prepn. as chromophoric marker for antimicrobial polymers)
IT **81-86-7**, 4-Bromo-1,8-naphthalic anhydride 124-09-4, Hexamethylenediamine, reactions
(reactant in prepn. of chromophoric marker for antimicrobial polymers)

L36 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2003 ACS
2000:694433 Document No. 133:267982 UV-absorbing thermosetting resin compositions, prepregs, laminates, and printed circuit boards.

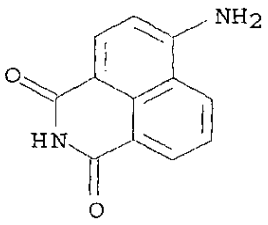
Takata, Kosuke; Murai, Akira; Oze, Masahisa (Hitachi Chemical Co., Ltd., Japan). Jpn. Kokai Tokkyo Koho JP 2000273314 A2 20001003, 4 pp. (Japanese). CODEN: JKXXAF. APPLICATION: JP 1999-78681 19990323.

AB The compns. contain 4-aminonaphthalimide (I) N,N'-dialkyl derivs. and 4-methyl-7-(diethylamino)coumarin (II). Thus, brominated epoxy resin (YDB 400) 100, dicyandiamide 3, 2-ethyl-4-methylimidazole 0.17, I deriv. (Neosuper HR 60) 0.1, and II (Neosuper HR 1) 0.3 part were dissolved in ethylene glycol mono-Me ether and DMF to give a varnish, which was impregnated into a glass cloth, dried, sandwiched with Cu foils, and hot-pressed to give a Cu-clad laminate. Simultaneous exposure was carried out in resist pattern formation on both sides of a double-sided printed circuit board prepd. from the laminate.

IT **1742-95-6D**, 4-Aminonaphthalimide, derivs.
(UV absorber; UV-absorbing thermosetting resin compns. for manuf. of double-sided printed circuit boards for simultaneous exposure on both sides in resist pattern formation)

RN 1742-95-6 HCAPLUS

CN 1H-Benz[de]isoquinoline-1,3(2H)-dione, 6-amino- (9CI) (CA INDEX NAME)



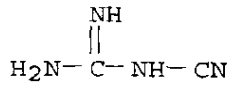
IT **134096-54-1P**
(UV-absorbing thermosetting resin compns. for manuf. of double-sided printed circuit boards for simultaneous exposure on both sides in resist pattern formation)

RN 134096-54-1 HCAPLUS

CN Guanidine, cyano-, polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene)bis[2,6-dibromophenol] (9CI) (CA INDEX NAME)

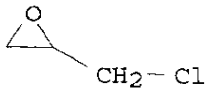
CM 1

CRN 461-58-5
CMF C2 H4 N4



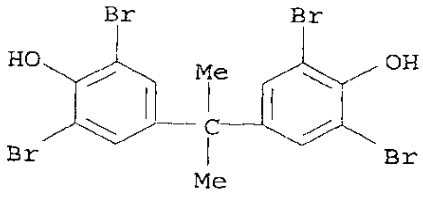
CM 2

CRN 106-89-8
CMF C3 H5 Cl O



CM 3

CRN 79-94-7
CMF C15 H12 Br4 O2



IC ICM C08L101-00
ICS B32B015-08; C08J005-24; C08K005-1545; C08K005-3432; C08L063-00; H05K001-03

CC 38-3 (Plastics Fabrication and Uses)
Section cross-reference(s): 76

IT **1742-95-6D**, 4-Aminonaphthalimide, derivs. 298211-33-3, Neo-Super HR 60
(UV absorber; UV-absorbing thermosetting resin compns. for manuf. of double-sided printed circuit boards for simultaneous exposure on both sides in resist pattern formation)

IT **134096-54-1P**
(UV-absorbing thermosetting resin compns. for manuf. of double-sided printed circuit boards for simultaneous exposure on both sides in resist pattern formation)